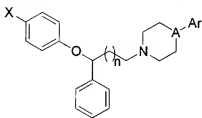


**IN THE CLAIMS:**

1. (Withdrawn) A serotonin reuptake inhibitor comprising:  
a first part, wherein the first part comprises a moiety with antidepressant properties and having an affinity for the serotonin reuptake transporter (SERT); and  
a second part, wherein the second part comprises a moiety having an affinity to serotonin (5-HT) receptors, and wherein the second part is coupled to the first part.
2. (Withdrawn) The serotonin reuptake inhibitor of claim 1, wherein the 5-HT is 5-HT<sub>1A</sub>, 5-HT<sub>2B</sub>, 5-HT<sub>2C</sub>, or 5-HT<sub>3</sub>.
3. (Withdrawn) The serotonin reuptake inhibitor of claim 1, wherein the 5-HT is 5-HT<sub>2A</sub>.
4. (Currently Amended) A serotonin reuptake inhibitor having the general formula:



wherein X is F or CF<sub>3</sub>;

n is 0 or 1;

A is N or C; and

Ar is an aryl moiety; and salt thereof.

wherein when X = F; n = 0; and A = N;

Ar is an aryl moiety, or salt thereof, excluding 3-chlorophenyl, 2-methoxyphenyl, and 3-trifluoromethylphenyl;

wherein when X = F; n = 0; and A = C;

Ar is an aryl moiety, or salt thereof;

wherein when X = F; n = 1; and A = N or C;

Ar is an aryl moiety, or salt thereof;

wherein when  $X = CF_3$ ;  $n = 0$ ; and  $A = N$  or  $C$ ;

Ar is an aryl moiety, or salt thereof;

wherein when  $X = CF_3$ ;  $n = 1$ ; and  $A = N$ ;

Ar is a substituted aryl moiety, or salt thereof, excluding  
benzo[d]isothiazole, 2-methoxyphenyl, 4-fluorophenyl, 4-methoxyphenyl,  
2-pyrimidyl, 2-chlorophenyl, 4-chlorophenyl, 2-pyridyl, and 4-  
nitrophenyl; and

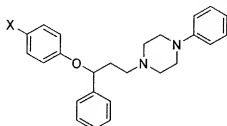
wherein  $X = CF_3$ ;  $n = 1$ ; and  $A = C$ ;

Ar is an aryl moiety, or salt thereof.

5. (Withdrawn) A serotonin reuptake inhibitor comprising a bi-functional organic molecule combining serotonin (5-HT) receptor antagonism and serotonin reuptake inhibition into one molecular entity.
6. (Withdrawn) The serotonin reuptake inhibitor of claim 5, wherein the 5-HT is 5-HT<sub>1A</sub>, 5-HT<sub>2B</sub>, 5-HT<sub>2C</sub>, or 5-HT<sub>3</sub>.
7. (Withdrawn) The serotonin reuptake inhibitor of claim 5, wherein the 5-HT is 5-HT<sub>2A</sub>.
8. (Withdrawn) A serotonin reuptake inhibitor comprising a structural homologue of an antidepressant serotonin-selective reuptake inhibitor (SSRI) capable of inhibiting serotonin reuptake transporter (SERT) coupled to a piperazine or piperidine moiety being antagonistic to a serotonin (5-HT) receptor.
9. (Withdrawn) The serotonin reuptake inhibitor of claim 8, wherein the 5-HT is 5-HT<sub>1A</sub>, 5-HT<sub>2B</sub>, 5-HT<sub>2C</sub>, or 5-HT<sub>3</sub>.

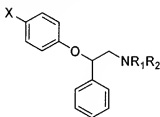
10. (Withdrawn) The serotonin reuptake inhibitor of claim 8, wherein the 5-HT is 5-HT<sub>2A</sub>.

11. (Currently Amended) A serotonin reuptake inhibitor having the general formula:



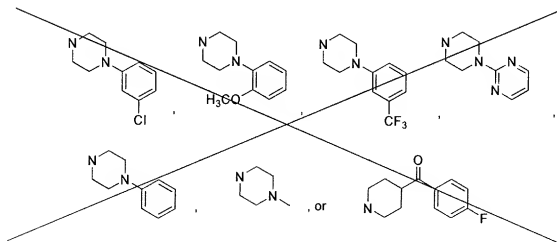
wherein X is F or CF<sub>3</sub>; and  
salt thereof.

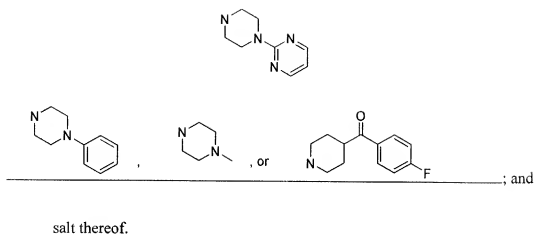
12. (Currently Amended) A serotonin reuptake inhibitor having the general formula:



wherein X is F or CF<sub>3</sub>;

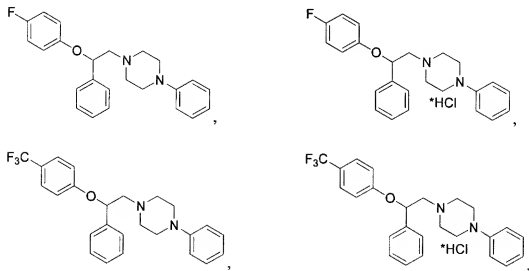
wherein NR<sub>1</sub>R<sub>2</sub> is:

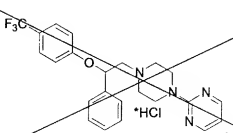
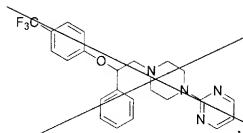
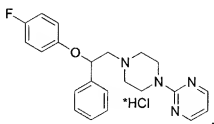
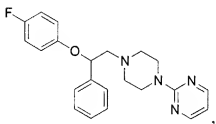
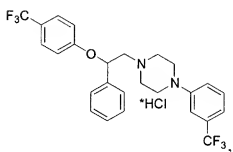
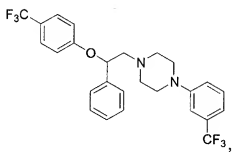
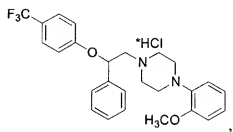
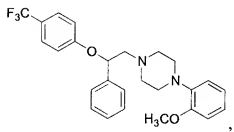
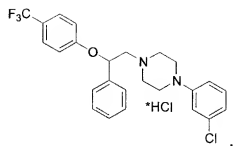
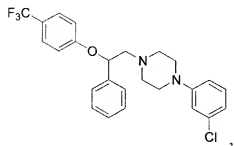


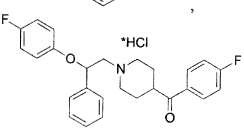
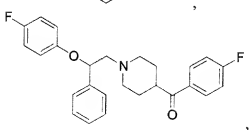
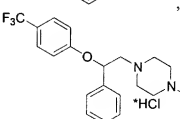
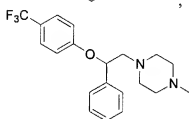
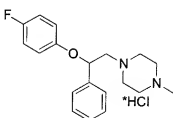
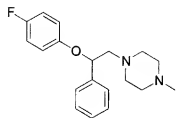
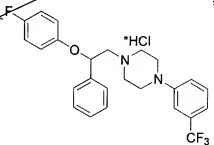
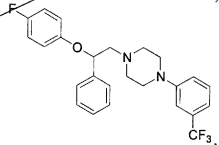
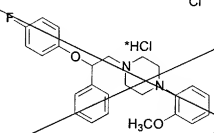
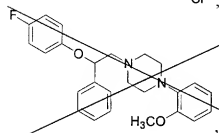
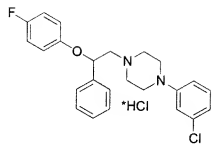
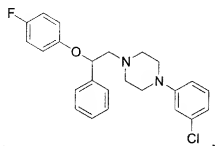


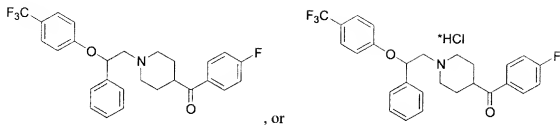
13. (Cancelled)

14. (Currently Amended) A serotonin reuptake inhibitor having the formula:









15. (Withdrawn) A method for treating depression in a patient, comprising:  
administering the serotonin reuptake inhibitor of claim 1.
16. (Withdrawn) A method for treating depression in a patient, comprising:  
administering the serotonin reuptake inhibitor of claim 4.
17. (Withdrawn) A method for treating depression in a patient, comprising:  
administering the serotonin reuptake inhibitor of claim 5.
18. (Withdrawn) A method for treating depression in a patient, comprising:  
administering the serotonin reuptake inhibitor of claim 8.
19. (Withdrawn) A method for treating depression in a patient, comprising:  
administering the serotonin reuptake inhibitor of claim 12.
20. (Withdrawn) A pharmaceutical formulation for the treatment of depression in a patient,  
comprising:  
a pharmaceutically effective amount of the serotonin reuptake inhibitor of claim 1.
21. (Original) A pharmaceutical formulation for the treatment of depression in a patient,  
comprising:  
a pharmaceutically effective amount of the serotonin reuptake inhibitor of claim 4.
22. (Withdrawn) A pharmaceutical formulation for the treatment of depression in a patient,  
comprising:

a pharmaceutically effective amount of the serotonin reuptake inhibitor of claim 5.

23. (Withdrawn) A pharmaceutical formulation for the treatment of depression in a patient, comprising:

a pharmaceutically effective amount of the serotonin reuptake inhibitor of claim 8.

24. (Original) A pharmaceutical formulation for the treatment of depression in a patient, comprising:

a pharmaceutically effective amount of the serotonin reuptake inhibitor of claim 12.